Preliminary Classification:

**Proposed Class:** 

Subclass:

NOTE:

"All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand comer of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129." M.P.E.P. § 601, 7<sup>th</sup> ed.

# 10/820306 10/820306

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### **NEW APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of

Inventor(s): Tomoyuki NISHIKAWA, Yoshikatsu ITOH

WARNING: 37 C.F.R.§ 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(l) is filed supplying or changing the name or names of the inventor or inventors."

For (title): PROCESS AND PRINTING APPARATUS FOR INK JET PRINTING

ON CLOTH USING ULTRAVIOLET RAY CURABLE INK

#### CERTIFICATION UNDER 37 C.F.R. § 1.10\*

(Express Mail label number is mandatory) (Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date, <u>April 7, 2004</u>, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number <u>EV 435648410 US</u>, addressed to the: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Annemarie Maher
(type or print name of person mailing paper)

Signature of person mailing paper

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

WARNING: Each paper or fee filed by "Express Mail" must have the number of the "Express Mail"

mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed.

Reg. 56,439, at 56,442.

(New Application Transmittal [4-1] page 1 of 11)

## 1. Type of Application This new application is for a(n) (check one applicable item below) ☑ Original (nonprovisional) □ Design □ Plant WARNING: "Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 37(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application. WARNING: Do not use this transmittal for the filing of a provisional application. If one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION. Divisional Continuation Continuation-in-part (C-I-P)

## 2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. § 112. Each prior application must also be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designated the United States of America; or
- (ii) Complete as set forth in § 1.51(b); or
- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120,121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 199, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

WARNING:		G:	When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application <b>must</b> be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).					
			The new application being transmitted claims the benefit of prior U.S. application(s). Enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.					
3.	Pap	ers	Enclosed					
	<u>22</u>	1.1 Pa	quired for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 53 (Design) Application ges of specification ges of claims eets of drawings					
	WAI	RNIN	G: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).					
	NOT	E:	"Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm (5/8 inch) down from the top of the page" 37 C.F.R. § 1.84(c)).					
			(complete the following, if applicable)					
			The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. § 1.84(b).					
			The enclosed drawing(s) are in color. Three (3) sets of color drawings and a "PETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. §§ 1.84(a)(2) and 1.84(b).					
			formal informal					
	В.	Oth	er Papers Enclosed					
	1	Pages of declaration and power of attorney Pages of abstract Other (title page)						
4.	Add	ditional papers enclosed						
		Am	endment to claims					
the		Cancel in this application claims before calculating filing fee. (At least one original independent claim must be retained for filing purposes.)						
bee	the claims shown on the attached amendment. (Claims added have nbered consecutively following the highest numbered original claims.)							

IΣI	Preliminary Amendment			
	Information Disclosure Statement (37 C.F.R. § 1.98)			
	Form PTO-1449 (PTO/SB/08A and 08B)			
	Citations			
	Declaration of Biological Deposit			
	Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence			
	Authorization of Attorney(s) to Accept and Follow Instructions from Representative			
	Special Comments			
	Other			
5. De	claration or oath (including power of attorney)			
NOTE:	A newly executed declaration is not required in a continuation or divisional application provided that the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under § 1.47, then a copy of that declaration must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)-(3).			
NOTE: A declaration filed to complete an application must be executed, identify the specific which it is directed, identify each inventor by full name including family name and at given name, without abbreviation together with any other given name or initial, residence, post office address and country or citizenship of each inventor, and state white inventor is a sole or joint inventor. 37 C.F.R. § 1.63(a)(1)-(4).				
NOTE:	"The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(I) is filed supplying or changing the name or names of the inventor or inventors." 37 C.F.R. § 1.41(a)(1).			
	☑ Enclosed			
	Executed by			
	(check all applicable boxes)			
	<ul> <li>inventor(s).</li> <li>legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.</li> <li>joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.</li> </ul>			
☐ Thi	s is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 F.R. § 1.47 is also attached. See item 13 below for fee.			
□ Not	t Enclosed			

NOT	TE:	com Appl may	re the filing is a completion in the U.S. of an International Application or where the pletion of the U.S. application contains subject matter in addition to the International lication, the application may be treated as a continuation or continuation-in-part, as the case be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT PRIOR U.S. APPLICATION CLAIMED.
			☐ Application is made by a person authorized under 37 C.F.R. § 1.41(c) on behalf of <i>all</i> the above named inventor(s).
(	The	deci	aration or oath, along with the surcharge required by 37 C.F.R. § 1.16(e) can be filed subsequently).
			☐ Showing that the filing is authorized.  (not required unless called into question. 37 C.F.R. § 1.41(d))
6.	Inv	ento	orship Statement
WA	RNIN	G:	If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.
The	e inv	ento	rship for all the claims in this application is:
		The	e same.
			or
			the same. An explanation, including the ownership of the various claims he time the last claimed invention was made,
			is submitted.
			will be submitted
7.	Lar	ngua	age
NO	TE:	Eng. of \$	application including a signed oath or declaration may be filed in a language other than lish. An English translation of the non-English language application and the processing fee 130.00 required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within a time as may be set by the Office. 37 C.F.R. § 1.52(d).
		X D	English Non English
		_	☐ The attached translation includes a statement that the translation is accurate. 37 C.F.R. § 1.52(d).
8.	As	sign	ment
		X	An assignment of the invention to Seiren Co., Ltd.
		<u>10-</u>	1, Keya 1-chome, Fukui-shi, Fukui-ken, Japan
			is attached. A separate ☑ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.
			will follow.
NO	TE:		n assignment is submitted with a new application, send two separate letters-one for the lication and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).

(New Application Transmittal [4-1] page 5 of 11)

WA	RNING:							)" must be filed when a April 30, 1993, 1150 OG	
			nuation C t appli		ional ap 0		on and the as	ssignment document was filed on	
	Reel _					Fra	ame	<del></del>	
9.	Certifie	ed Copy							
	Certifie	d copy(ies)	of applic	ation(	s)				
	Japan					<u>3-1042</u>	35	April 8, 2003	<u>3</u>
	Country	y			Appl	n. No.		Filed	
	Country	y			Appl	n. No.		Filed	-
fron	n which	priority is c	laimed:						
		is (are) att							
10.	E: This pare und item OF	ent U.S. applier 35 U.S.C.: n 18 on the A PRIOR U.S. A	ny foreign ication or I § 120 is its DDED PAG APPLICATIO	priority Internati elf entiti GES FO ON(S) C	for which onal Appli led to prio OR NEW A CLAIMED.	ication f rity from	rom which this a a prior foreign a	ed directly relates. If any application claims benefit application, then complete ITTAL WHERE BENEFIT	
				CLA	IMS AS	FILE			
	mber file 6(a)	ed		Num	ber Extr	a	Rate	Basic Fee 37 C.F.R. § \$770.00	
	al Claim C.F.R.	s § 1.16(c))	6 - 20	=	0	x	\$18.00 =	\$00.00	
	•	nt Claims § 1.16(b))	4 - 3	=	1	х	\$86.00 =	\$86.00	
		pendent cla C.F.R. § 1.1			<b>.</b>	+	\$260.00		
	0	Amendme Amendme Fee for ex	nt deletir	ng mul	tiple-dep	ender	ncies is enclos	sed.	
NOT	ame	endment, prio demark Office	r to the e.	xpiration ce of fee	of the to deficience	ime per		or the claims canceled by onse by the Patent and \$856.00	

В	. 🗆	Design applica (\$310.00 – 37		R. § 1.16(f))		
				ng Fee Calculation	\$	
С	. 🗆	Plant application				
	(\$4	80.00 - 37 C.F.	R. §	1.16(g))		
			Fili	ng Fee Calculation	\$	
11. Small	Entit	ty Statement(s	)			
		ent(s) that this (are) attached.	is a f	iling by a small entit	/ under 37 C.F.R. §§ 1	.9 and
WARNING:	whice pate whice whice has divise 1.53 entite appliant to the in the design of the pate which will be set to the pate of the p	th the status is average that does not affect on a feet of a feet	ailable any directl The on-in-j a rei enefit e app orovis prior of the	a and desired. Status as other application or pate y dependent upon the apply dependent upon the apply dependent upon the apply dependent (including a continuissue application requires at under 35 U.S.C. § 119 lication may rely on a stational application or the relapplication or in the patent and status of the patent an	hed in each application or particular as a small entity in one applications or patent in which the nunder § 1.53 as a control prosecution application as to control entity of the second	cation or patents ne status iinuation, under § ontinued ovisional f a prior cation or eference tatement per and
WARNING:	state	all entity status mu ement can <b>unequi</b> n rev. 2, July 1996 (e	vocali	y make the required self-	e person or persons signing certification." M.P.E.P., § 50	; the 9.03, 6 <sup>th</sup>
		(ce	ompl	ete the following, if a	oplicable)	
		Status as a sm	all e	ntity was claimed in p	rior application	
		benefit is being	ı clai	, filed on med for this applicati	, from on under:	which
		35 U.S.C.	§ 🗆	119(e), 120, 121, 365(c),	still proper and desired	d.
		☐ A copy	of t	ne statement in the p	rior application is includ	ded.
		Filing	Fee (	Calculation (50% of A	A, B, or C above)	
				\$		
	are file	d within 2 months	of the		entity statement and a refund f a full fee. The two-month p	
12. Requ	est fo	r International	-Тур	e Search (37 C.F.R.	§ 1.104(d))	
			(com	plete, if applicable)		
				ional-type search repation on the merits ta	oort for this application kes place.	at the

(New Application Transmittal [4-1] page 7 of 11)

13.	ree	Pa	yment being wade at This Time					
		Not Enclosed						
		□ No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § 1.16(e) can be pa subsequently.)						
	X	End	closed					
		X	Filing fee	<u>\$ 856.00</u>				
		X	Recording assignment (\$40.00 – 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION.")	\$ 40.0 <u>0</u>				
			Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached.	\$				
			(\$130.00 – 37 C.F.R. §§ 1.47 and 1.17(i))  For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))	\$ \$				
			Processing and retention fee (\$130.00, 37 C.F.R. §§ 1.52(d) and 1.21(l))	\$				
			Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))	\$				
abandoned for failing to col as the changes to 37 C.F.F a prior U.S. application, eit			C.F.R. § 1.21(I) establishes a fee for processing and retaining any ap- ndoned for failing to complete the application pursuant to 37 C.F.R. § 1.53(f) he changes to 37 C.F.R. §§ 1.53 and 1.78(a)(1), indicate that in order to ob- rior U.S. application, either the basic filing fee must be paid, or the process of § 1.21(I) must be paid, within 1 year from the notification under § 53(f).	and this, as well ain the benefit o				
		To	tal fees enclosed	<u>\$ 896.00</u>				
14.			d of Payment of Fees ached is a ⊠ check □ money order in the amount of <u>\$ 896.0</u> 0	n				
			norization if hereby made to charge the amount of <u>\$ any defic</u>					
		X	to Deposit Account No. 23-0442					
			to credit card as shown on the attached credit card informauthorization form PTO-2038	mation				
	□ in		arge any additional fees required by this paper or credit any o manner authorized above. A duplicate of this transmittal is a					
NO	TE:		s should be itemized in such a manner that it is clear for which purpose the R. § 1.22(b).	fees are paid. 37				

### 15. Authorization to Charge Additional Fees

WARNING: If no fees are to be paid on filing, the following items should not be completed.

WARNING: Accurately count claims, especially multiple dependent claims, to avoid unexpected high charges, if extra claim charges are authorized.

- ∑ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 23-0442.
  - ☑ 37 C.F.R. § 1.16(a), (f), or (g) (filing fees)
  - ☑ 37 C.F.R. § 1.16(b), (c), and (d) (presentation of extra claims)
- NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims canceled by amendment prior to the expiration of the time period set for response by the P.T.O. in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the P.T.O. to charge additional claim fees, except possibly when dealing with amendments after final action.
  - ☐ 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
  - ☐ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a))
  - ☐ 37 C.F.R. § 1.17 (application processing fees)
- WARNING:
- "...A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).
- ☐ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b))
- NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the Notice of Allowance. 37 C.F.R. § 1.311(b).
- NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . issue fee." From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

## 16. Instructions as to Overpayment

☐ Refund	
	$\sim$
Date: April 7, 2004	Fami Meni
Reg. No. <b>31,391</b>	SIGNATURE OF PRACTITIONER
Tel. No. <b>(203) 261-1234</b>	Francis J. Maguire
	(type or print name of practitioner
	Ware, Fressola, Van Der Sluys & Adolphson, LLP
	P.O. (Correspondence) Address
Out the same No. 004055	Building Five, Bradford Green 755 Main Street, P.O. Box 224 Monroe, CT 06468
Customer No. 004955	

"...Amounts of twenty-five dollars or less will not be returned unless specifically requested within a reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. §

☐ Credit Account No.\_\_\_\_\_

	Inc	corporation by reference of added pages				
	(check the following item if the application in this transmittal claims the benefit prior U.S. application(s) (including an international application entering the U. stage as a continuation, divisional or C-I-P application) and complete and attact the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHER BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.)					
		Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed  Number of pages added				
		Plus Added Pages for Papers Referred to in Item 4 Above				
		Number of pages added				
		Plus added pages deleting names of inventor(s) named in prior application(s) who is/are no longer inventor(s) of the subject matter claimed in this application.				
		Number of pages added				
		Plus "Assignment Cover Letter Accompanying New Application"				
		Number of pages added				
X	Sta	atement Where No Further Pages Added				
		(if no further pages form a part of this Transmittal, then end this Transmittal with this page and check the following item.				

## $\boxtimes$

☑ This transmittal ends with this page.